

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P227502

Luminaire Tested: **IST-AF-XXX-LED-E1-RW-7030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-XXX-LED-E1-RW-7030-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCUELED OPTICS-RECTANGULAR WIDE TYPE I
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 580.4 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B0 - U1 - G0

Input Watts (W): 13
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

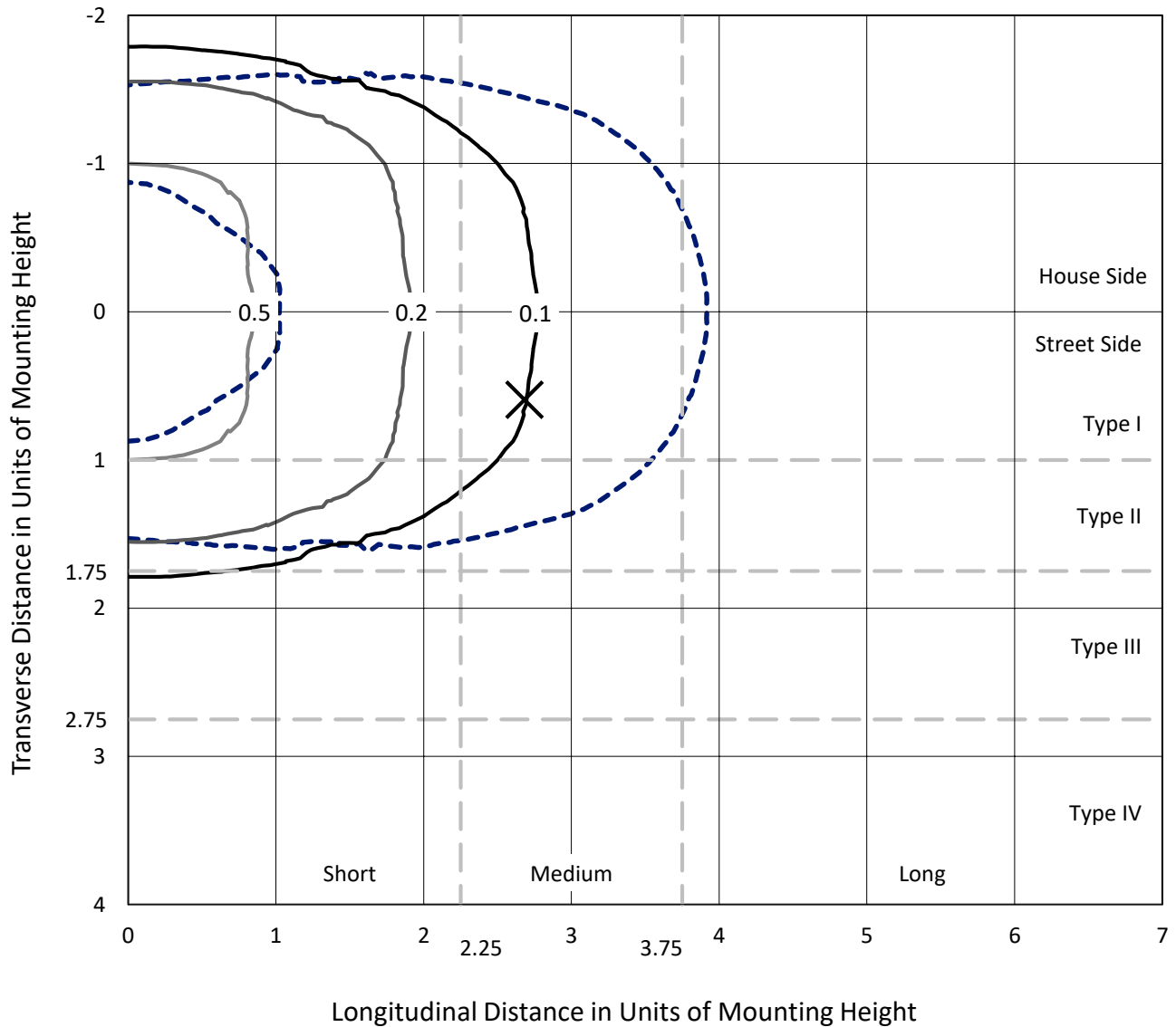


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

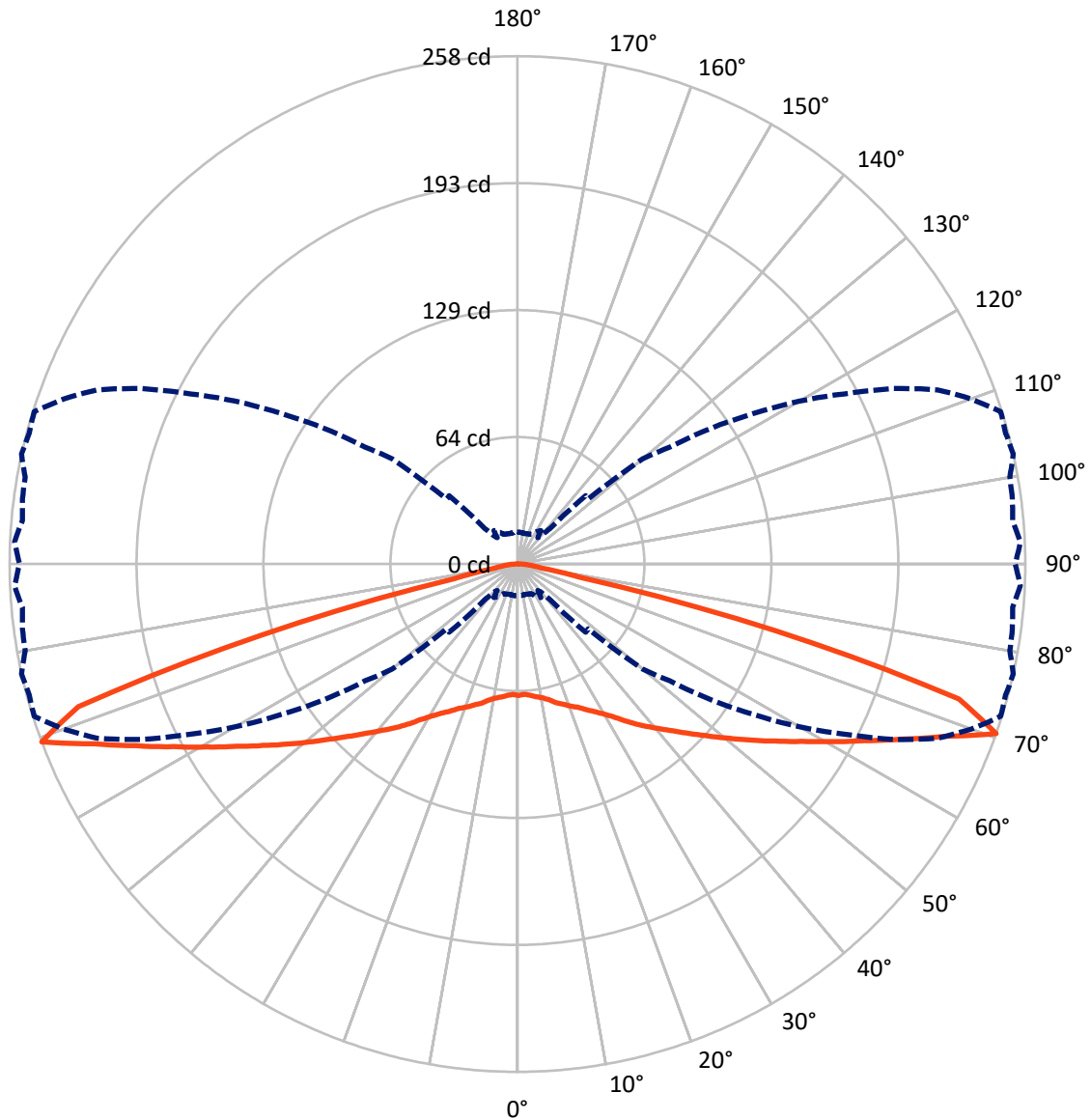


Based on 10 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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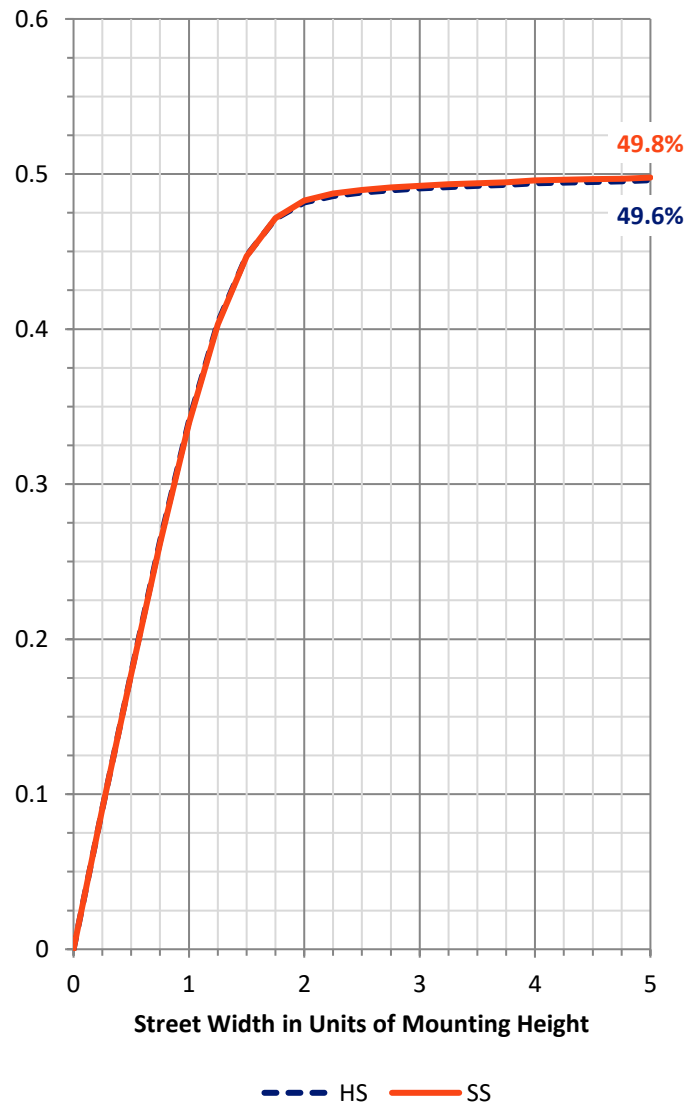
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	290.1	0.0	290.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	290.1	0.0	290.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	580.3	0.1	580.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	1.1
10°-20°	20.2	3.5
20°-30°	37.8	6.5
30°-40°	66.1	11.4
40°-50°	107.8	18.6
50°-60°	147.5	25.4
60°-70°	135.6	23.4
70°-80°	53.0	9.1
80°-90°	5.9	1.0
90°-100°	0.1	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	580.3	100.0
0°-180°	580.4	100.0



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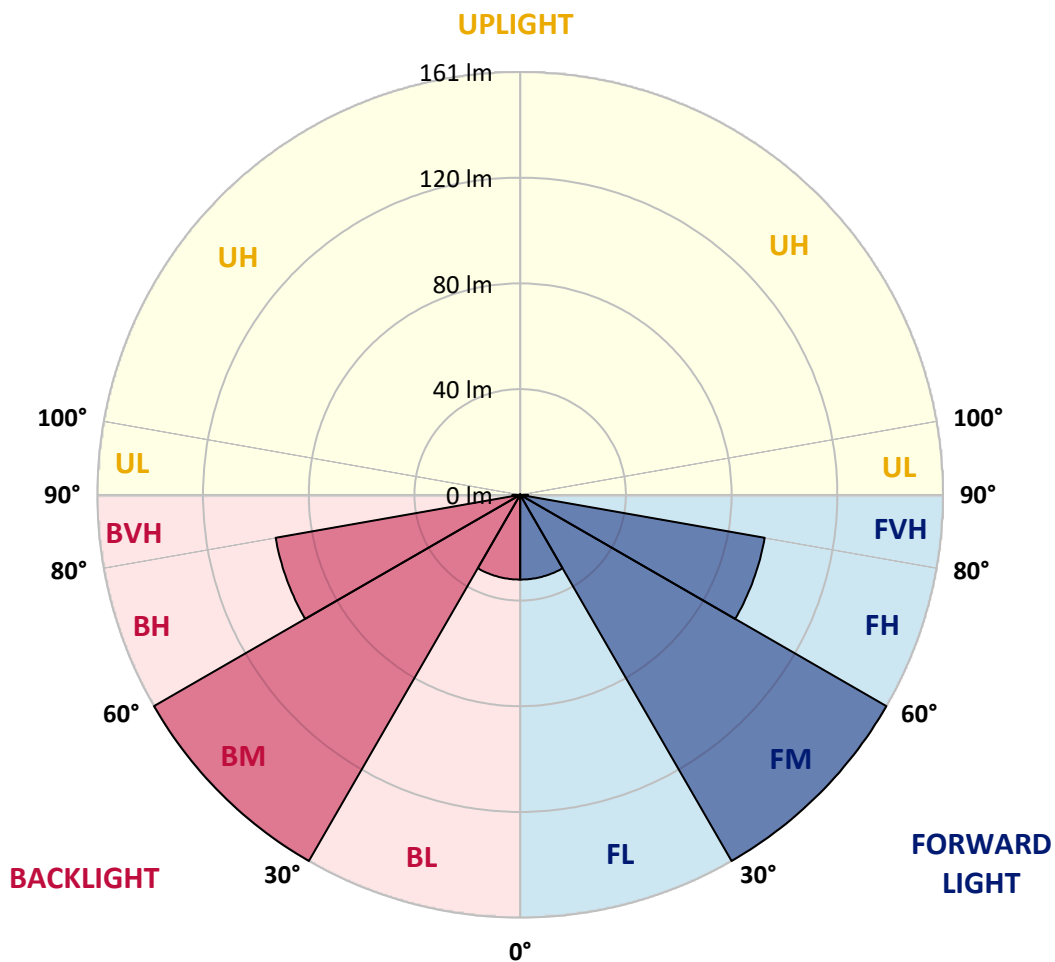
CATALOG NUMBER: IST-AF-XXX-LED-E1-RW-7030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	32.2	5.5			
FM	(30°-60°)	160.7	27.7			
FH	(60°-80°)	94.3	16.3			G0/660
FVH	(80°-90°)	3.0	0.5			G0/10
BL	(0°-30°)	32.2	5.5	B0/110		
BM	(30°-60°)	160.7	27.7	B0/220		
BH	(60°-80°)	94.3	16.3	B0/110		G0/110
BVH	(80°-90°)	3.0	0.5			G0/10
UL	(90°-100°)	0.1	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B0-U1-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2.5°	66.4	66.3	66.3	66.4	66.6	66.7	66.5	66.6	66.6	66.5	66.8
5°	66.6	66.5	66.6	66.8	67.0	67.3	67.2	67.2	67.3	67.1	67.5
7.5°	66.4	66.3	66.5	66.9	67.5	67.9	67.9	67.9	68.0	68.0	68.5
10°	65.6	65.6	66.0	66.8	67.9	68.1	68.4	68.5	69.0	69.0	69.5
12.5°	65.0	65.0	65.6	66.8	68.6	68.7	69.1	69.4	70.1	69.7	70.7
15°	65.2	65.4	66.2	67.6	70.0	69.9	70.2	70.5	71.6	70.9	72.4
17.5°	66.5	66.8	67.6	69.3	71.8	71.4	71.7	72.2	73.7	72.7	74.5
20°	68.5	68.9	69.8	71.7	74.0	73.6	73.9	74.5	76.2	75.3	77.1
22.5°	71.3	71.6	72.6	74.8	77.3	76.7	77.1	77.6	79.5	78.0	80.2
25°	75.0	75.3	76.4	78.6	81.4	80.8	81.0	81.4	83.3	81.6	83.7
27.5°	80.1	80.4	81.4	83.5	86.2	85.7	85.9	86.2	88.3	86.6	88.4
30°	86.6	86.9	87.8	89.9	92.2	91.6	91.9	92.1	94.0	92.3	93.8
32.5°	94.2	94.2	95.4	97.7	99.7	98.6	98.6	98.6	100.4	98.7	99.9
35°	103.3	103.3	104.6	106.7	108.6	107.3	106.7	106.4	108.3	106.2	107.0
37.5°	113.2	112.8	114.7	116.7	118.5	116.9	116.4	115.9	117.4	115.0	115.4
40°	123.7	123.4	125.5	127.7	128.9	126.8	126.3	125.8	127.4	125.1	125.0
42.5°	133.3	133.0	135.7	138.3	139.7	137.0	136.4	135.9	137.6	135.3	134.8
45°	141.4	141.3	144.4	147.9	150.5	147.6	147.2	146.3	148.0	145.2	145.0
47.5°	147.7	147.3	151.2	156.3	160.4	157.4	157.3	156.7	158.5	155.5	155.1
50°	152.0	152.2	156.4	162.4	169.0	166.2	166.5	166.2	168.9	165.8	166.2
52.5°	152.7	153.2	158.6	166.5	175.8	172.4	174.3	175.1	178.4	175.8	176.6
55°	143.6	145.0	153.2	166.9	180.0	177.8	180.3	182.5	187.2	185.0	186.5
57.5°	123.2	126.2	135.6	155.5	179.4	180.6	185.7	189.1	194.8	192.8	196.4
60°	95.2	97.2	107.7	130.9	163.0	164.7	173.8	184.6	197.8	200.5	206.2
62.5°	62.3	63.5	73.8	97.2	134.8	135.3	146.7	160.7	183.5	189.5	205.3
65°	30.9	32.5	38.0	56.0	94.4	93.7	106.2	122.7	152.2	158.8	184.5
67.5°	19.3	19.5	20.7	26.0	47.3	42.0	52.2	69.5	105.3	111.1	143.8
70°	16.2	16.1	15.9	16.6	20.8	16.9	18.7	24.4	49.0	48.7	82.9
72.5°	14.9	14.7	14.0	13.9	14.5	13.3	13.5	13.8	19.6	16.5	31.9
75°	13.7	13.2	12.4	12.1	12.1	11.2	11.2	11.3	12.7	12.0	14.5
77.5°	12.3	11.7	10.8	10.5	10.2	9.1	9.0	9.1	10.2	9.6	10.8
80°	10.6	10.0	9.4	8.9	8.4	7.4	7.2	7.2	8.1	7.4	8.5
82.5°	9.2	8.5	8.3	7.4	6.7	5.8	5.5	5.1	6.0	5.2	6.3
85°	6.8	6.2	7.9	6.6	5.3	4.7	3.8	3.2	3.8	3.1	4.0
87.5°	3.9	3.7	6.9	5.2	4.7	5.0	3.1	2.2	2.1	1.9	2.2
90°	0.8	0.9	1.1	0.8	1.0	0.5	0.3	0.3	0.5	0.3	0.6
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: IST-AF-XXX-LED-E1-RW-7030-XXB

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2.5°	66.5	66.8	66.4	66.8	66.2	66.7	66.2	66.8	66.3	66.8	66.2
5°	66.9	67.6	66.8	67.8	66.7	67.8	66.8	67.9	67.0	67.9	66.9
7.5°	67.6	68.8	67.8	69.0	67.6	69.1	67.9	69.3	68.0	69.4	68.0
10°	68.5	70.0	68.6	70.2	68.5	70.3	68.7	70.6	68.9	70.8	69.0
12.5°	69.2	71.2	69.7	71.7	69.9	72.0	70.2	72.6	70.5	73.0	70.7
15°	70.7	73.2	71.3	73.8	71.7	74.2	72.1	74.9	72.6	75.4	73.0
17.5°	72.6	75.4	73.3	75.8	73.6	76.3	74.1	76.8	74.5	77.4	74.8
20°	75.1	77.9	75.8	78.2	76.1	78.5	76.3	78.8	76.8	79.3	77.0
22.5°	78.0	80.7	78.4	80.8	78.4	80.7	78.5	80.8	78.8	81.1	79.0
25°	81.5	84.0	81.7	83.7	81.4	83.4	81.4	83.4	81.6	83.6	82.0
27.5°	86.4	88.3	85.9	87.7	85.1	86.9	84.8	86.6	84.9	86.6	85.0
30°	91.9	93.6	90.8	92.3	89.5	90.8	88.5	90.1	88.3	89.9	88.7
32.5°	97.8	99.2	96.5	97.7	94.8	96.0	93.5	94.5	93.0	94.0	93.2
35°	104.5	105.9	103.0	104.1	101.2	102.3	99.8	100.3	98.8	99.5	98.8
37.5°	112.4	113.6	110.4	111.4	108.2	109.5	106.5	107.0	105.2	105.6	104.2
40°	121.0	122.2	118.4	119.4	115.5	117.0	113.6	114.0	111.4	111.8	109.7
42.5°	130.2	131.4	126.6	127.5	122.8	124.4	120.5	121.1	118.1	118.5	115.8
45°	140.3	141.0	135.7	136.3	130.8	132.3	127.4	128.6	125.0	125.8	122.7
47.5°	149.8	151.2	145.4	145.9	139.9	140.9	135.1	136.8	132.9	134.2	130.4
50°	160.7	161.7	156.1	156.2	150.4	150.8	144.4	146.1	141.8	143.2	139.1
52.5°	171.8	172.4	166.5	167.1	161.3	161.9	155.5	156.2	151.3	152.5	148.5
55°	182.5	182.7	177.7	177.6	172.2	173.3	166.2	167.7	161.9	163.1	158.6
57.5°	193.3	193.9	189.3	189.4	184.0	184.8	178.4	179.5	174.0	175.5	169.9
60°	204.6	206.5	202.0	202.6	197.5	199.0	191.2	192.7	186.6	189.1	183.0
62.5°	211.9	218.9	218.0	219.0	214.1	214.9	206.8	209.1	201.9	203.7	197.5
65°	198.0	215.2	223.9	233.5	233.7	236.2	228.4	229.3	222.0	221.6	214.3
67.5°	161.4	182.6	197.3	216.9	230.7	243.9	248.7	249.9	245.9	241.8	233.5
70°	97.4	120.5	142.1	165.3	187.0	210.8	231.0	245.0	257.2	256.6	257.8
72.5°	38.5	57.7	72.1	93.8	115.3	141.7	164.1	183.8	204.8	217.7	234.4
75°	15.2	20.1	23.5	35.6	45.8	65.5	85.2	95.9	112.3	123.6	135.2
77.5°	10.9	12.0	12.1	14.1	14.9	20.6	24.1	27.7	31.2	33.5	33.0
80°	8.5	9.1	9.1	10.0	9.9	11.0	10.8	11.8	11.7	12.5	12.0
82.5°	6.3	6.7	6.7	7.4	7.4	8.1	7.9	8.6	8.4	9.0	8.4
85°	4.1	4.5	4.5	4.9	4.7	5.4	5.3	5.8	5.5	5.8	5.4
87.5°	2.3	2.6	2.6	2.9	2.6	3.2	3.1	3.3	3.1	3.3	3.2
90°	0.3	0.5	0.3	0.5	0.3	0.8	0.4	0.9	0.3	1.0	0.4
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: IST-AF-XXX-LED-E1-RW-7030-XXB

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227502

CATALOG NUMBER: IST-AF-XXX-LED-E1-RW-7030-XXB

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	66.7	66.7	66.7	66.7	66.7
2.5°	66.7	66.5	66.8	66.3	66.8
5°	67.9	67.1	68.0	67.1	68.0
7.5°	69.5	68.2	69.6	68.2	69.6
10°	71.0	68.9	71.1	69.1	71.2
12.5°	73.3	70.8	73.7	70.9	73.7
15°	75.9	73.0	76.2	73.1	76.4
17.5°	77.9	75.1	78.3	75.1	78.4
20°	79.6	77.4	80.1	77.4	80.3
22.5°	81.6	80.0	82.1	80.0	82.6
25°	84.2	83.1	84.8	83.2	85.1
27.5°	87.2	86.4	87.8	86.6	88.1
30°	90.7	90.4	91.1	90.6	91.4
32.5°	94.6	95.2	95.2	95.2	95.5
35°	100.3	100.8	100.8	101.0	101.1
37.5°	105.8	106.6	106.5	106.8	106.8
40°	111.5	112.6	112.6	112.6	112.8
42.5°	117.8	119.0	119.2	118.7	119.0
45°	124.9	125.3	125.7	125.5	126.1
47.5°	132.5	132.9	133.3	132.9	133.9
50°	141.5	141.4	142.3	141.4	142.7
52.5°	150.8	151.6	152.2	151.3	152.2
55°	161.4	161.2	163.1	161.9	163.1
57.5°	173.0	173.0	175.0	173.8	175.3
60°	186.8	185.7	188.4	186.4	188.4
62.5°	200.7	198.7	201.8	200.1	202.7
65°	216.7	213.9	216.8	214.6	216.9
67.5°	233.0	229.7	230.7	229.5	230.8
70°	253.8	253.4	252.3	255.5	252.7
72.5°	231.8	236.7	232.7	240.5	235.2
75°	142.4	151.5	156.6	164.5	163.2
77.5°	33.7	30.0	33.0	29.6	33.4
80°	12.5	11.4	11.9	10.3	11.5
82.5°	8.5	7.4	7.2	5.7	6.1
85°	5.5	4.4	4.1	3.4	3.8
87.5°	3.2	2.5	2.3	2.0	2.0
90°	0.9	0.3	0.7	0.2	0.6
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227502

CATALOG NUMBER: IST-AF-XXX-LED-E1-RW-7030-XXB

CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)